# TRANSLATION PATENT COOPERATION TREATY POT

## INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

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Applicant's or agent's file reference 2003P13387WO			FOR FURTHER ACT	FOR FURTHER ACTION See Form PCT/IPEA/416			
International application No.			International filing date (	al filing date (day/month/year) Priority date (day/month/year)			
PCT/EP2004/008157			21.07.2004		22.09.2003		
Internation	onal Patent Classification	(IPC) or natio	onal classification and IPC	2			
H04L12/28, H04L29/06							
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Applican	nt						
SIE	MENS AKTIENO	ESELLS	CHAFT				
1.	<ol> <li>This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.</li> </ol>						
2.	This REPORT consists	of a total of	4	sheets, including	g this cover sheet.		
3.	This report is also accor	npanied by Al	NNEXES, comprising:				
	a. (sent to the d	applicant and	to the International Burea	u) a total of 11	sheets, as follows:		
	sheets	of the descript	tion, claims and/or drawin	ngs which have been a	mended and are the basis for this report and/or		
	sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).						
					siders contain an amendment that goes beyond		
	Box.	closure in the	international application	as filed, as indicated	in item 4 of Box No. I and the Supplemental		
	b. (sent to the l	nternational E	Bureau only) a total of (inc	dicate type and number	r of electronic carrier(s))		
	,		``	<b>31</b>			
	related thereto	, in computer	readable form only, as ir	ndicated in the Supple	_ , containing a sequence listing and/or tables mental Box Relating to Sequence Listing (see		
			rative Instructions).	**			
4.	This report contains indi	cations relatir	ng to the following items:				
	Box No. I	Basis of the	report				
	Box No. II	Priority					
	Box No. III	Non-establis	shment of opinion with re	gard to novelty, inventi	ive step and industrial applicability		
	Box No. IV Lack of unity of invention						
	Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement						
	Box No. VI Certain documents cited						
	Box No. VII Certain defects in the international application						
	Box No. VIII Certain observations on the international application						
Date of s	submission of the demand		D:	ate of completion of thi	s report		
Dute of s	doministron of the definition			ac or completion of the	sieport		
Name and mailing address of the IPEA/EP				nthorized officer			
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# International application No.

PCT/EP2004/008157

# INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

Box	No. I		Basis of the report						
1.	<ol> <li>With regard to the language, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item.</li> </ol>								
			s report is based on translations from the original language into the following language ch is the language of a translation furnished for the purposes of:						
		in	international search (Rule 12.3 and 23.1(b))						
		∐ рі	ublication of the international application (Rule 12.4	)					
		in	sternational preliminary examination (Rule 55.2 and/	or 55.3)					
2.	rece	With regard to the <b>element</b> s of the international application, this report is based on (replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to his report):							
		the inter	rnational application as originally filed/furnished						
	$\boxtimes$	the desc	cription:						
		pages	1-3,10-13			as originally filed/furnished			
		pages*	4-9,9a	received by this Authority on		.2005 with letter .07.2005			
		pages*		received by this Authority on					
	$\boxtimes$	the clair	ms:						
		nos.				as originally filed/furnished			
		nos.*			r with an				
		nos.*		received by this Authority on	15.07	.2005 with letter			
		nos.*							
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		the drav							
		sheets	1/4-4/4						
		sheets*		received by this Authority on					
		sheets*		received by this Authority on					
	Ш	a seque	nce listing and/or any related table(s) – see Supplem	ental Box Relating to Sequence L	isting.				
3.		The am	endments have resulted in the cancellation of:						
		L th	ne description, pages						
		th	the claims, nos.						
		☐ th	the drawings, sheets/figs						
		L th	ne sequence listing (specify):						
		ar	ny table(s) related to sequence listing (specify):						
4.			port has been established as if (some of) the amend we been considered to go beyond the disclosure as fil						
		th	ne description, pages						
			ne claims, nos.						
			ne drawings, sheets/figs						
			ne sequence listing (specify):						
			ny table(s) related to sequence listing (specify):						
*	If ite	em 4 appl	ies, some or all of those sheets may be marked "sup	erseded."					

#### INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.
PCT/EP2004/008157

Box				ticle 35(2) with regard to novelty, inventive step or industrial applicability; porting such statement	
1.	Statement				
	Novelty (N	)	Claims	1-8	YES
			Claims		NO
	Inventive st	ep (IS)	Claims	1-8	YES
			Claims		NO
	Industrial a	pplicability (IA)	Claims	1-8	YES
			Claims		NO

- 2. Citations and explanations (Rule 70.7)
  - 1. The invention relates to a method for managing a group of network access servers (independent claim 1) and to a network access server comprising means for integration into a group of network access servers (independent claim 7). The method and the server are implemented using the "Multichassis Multilink Point to Point Protocol" (MMP).

#### 2. Prior art:

D1 (XP002300000) is regarded as the closest prior art and defines a stack group in a "Multichassis Multilink Point to Point Protocol" (MMP) environment. The stack group corresponds to the address list according to the preamble of the independent claims. According to D1, an administrator can manage this list by individually adding additional entries or removing entries using a Command Line Interface (CLI).

#### 3. Difference:

The subject matter of the independent claims differs from the teaching in D1 in that, according to the invention,

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

- when a new network access server is logging on, a first message is sent from the new server to the other servers in this group,
- in that the network access servers for this group store the address of the new server in an address list and each send a second message to the new server, and
- in that the second messages are received by the new network access server and used to create and store an address list of all of the servers in this group.

### 3. Problem

The problem to be solved is regarded as that of rendering it easier to configure the address list.

### 4. Solution

According to the features of the two-part form of the claims, the servers of one group autonomously exchange messages in order to keep the address list updated. Therefore, it is not necessary for an administrator to manage the list in each server manually.

The prior art, in particular D1, contains nothing that would prompt a person skilled in the art to implement a method or a network access server according to the independent claims.